- HIPERURISEMIA
- PHYLLANTHUS.

SKRIPSI

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EFEK HIPOURISEMIK PRODUK EKSTRAK *Phyllanthus niruri* TERSTANDAR PADA MENCIT YANG DIINDUKSI KALIUM OKSONAT

FAKULTAS FARMASI UNIVERSITAS AIRLANGGA

BAGIAN ILMU BAHAN ALAM

SURABAYA

2003

Lembar Pengesahan

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Dibuat Untuk Memenuhi Syarat
Mencapai Gelar Sarjana Farmasi Pada
Fakultas Farmasi Universitas Airlangga

2003

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ABSTRACT

Hypouricemic Effect of Standardized Extract Product of *Phyllanthus niruri* in Mice Induced by Potassium Oxonate

We investigated the hypouricemic effect from standardized extract product of *Phyllanthus niruri* and compared its effect with those of allopurinol in mice. The tested subtance were standardized extract product of *Phyllanthus niruri*, which were dissolved in 0,5% CMC-Na solution and arranged in 3 doses : dose I 1,599 mg / 20 g body weight, dose II 3,198 mg / 20 g body weight, and dose III 4,797 mg / 20 g body weight (each dose equivalent with 5 mg, 10 mg and 15 mg total flavonoid respectively). We evaluated the hypouricemic effect of standardized extract product of *Phyllanthus niruri* on hyperuricemia induced by uricase inhibitor, potassium oxonate (5 mg / 20 g body weight, 1 h before the test drug). The substance were given per oral, 3 h before sub cutan–administration of potassium oxonate. The blood samples were taken 1 h after sub cutan–administration of potassium oxonate and uric acid concentration in the blood were analized by Trinder enzymatic method with Photometer at λ 546 nm. None of groups showed hypouricemic effect, but allopurinol showed its effect. We suggest more research about development of formulation for standardized extract product of *Phyllanthus niruri* that increase its activity.

Keywords : standardized extract product of *Phyllanthus niruri*, hypouricemic effect, potassium oxonate, hyperuricemia, Photometer